



## 3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

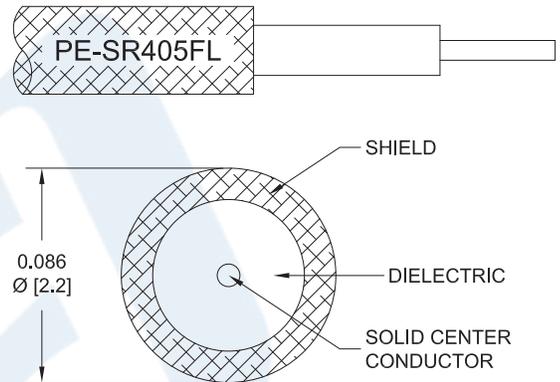
**PE3W07844**

#### Configuration

- Connector 1: 3.5mm Male
- Connector 2: SMB Jack
- Cable Type: PE-SR405FL

#### Features

- 69.5% Phase Velocity



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W07844 3.5mm male to SMB jack cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 3.5mm to SMB cable assembly has a male to jack gender configuration with 50 ohm formable PE-SR405FL coax.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

| Description                   | Minimum | Typical       | Maximum | Units                            |
|-------------------------------|---------|---------------|---------|----------------------------------|
| Velocity of Propagation       |         | 69.5          |         | %                                |
| Capacitance                   |         | 29 [95.14]    |         | pF/ft [pF/m]                     |
| DC Resistance Inner Conductor |         | 65.7 [215.55] |         | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor |         | 10.2 [33.46]  |         | $\Omega$ /1000ft [ $\Omega$ /Km] |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.031 lbs [14.06 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax PE3W07844](#)



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**PE3W07844**

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-SR405FL                |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Outer Conductor Material and Plating | Copper, Tin               |
| Repeated Minimum Bend Radius         | 0.78 in [19.81 mm]        |

#### Connectors

| Description                        | Connector 1                        | Connector 2   |
|------------------------------------|------------------------------------|---------------|
| Type                               | 3.5mm Male                         | SMB Jack      |
| Impedance                          | 50 Ohms                            | 50 Ohms       |
| Contact Material and Plating       | Beryllium Copper, Gold over Nickel |               |
| Contact Plating Specification      | 50 µin minimum                     |               |
| Dielectric Type                    | PCTFE                              |               |
| Body Material and Plating          | Passivated Stainless Steel         | Brass, Nickel |
| Body Plating Specification         | SAE-AMS-2700                       |               |
| Coupling Nut Material and Plating  | Passivated Stainless Steel         |               |
| Coupling Nut Plating Specification | SAE-AMS-2700                       |               |
| Hex Size                           | 5/16 inch                          |               |
| Torque                             | 8 in-lbs [0.9 Nm]                  |               |

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax PE3W07844](#)



## 3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W07844**

#### How to Order

Part Number Configuration:

**PE3W07844**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W07844-12 = 12 inches long cable  
 PE3W07844-100cm = 100 cm long cable

3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

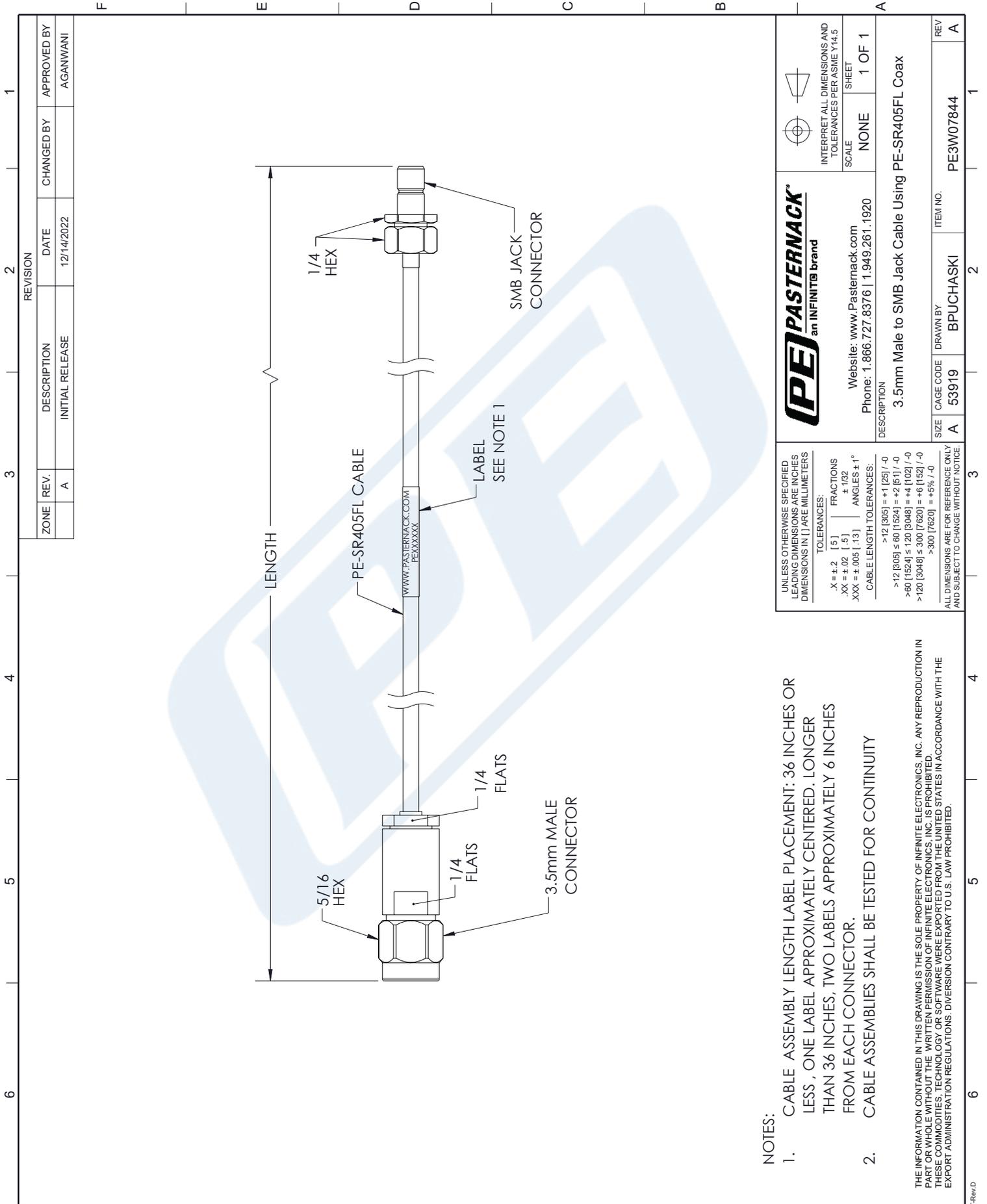
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax PE3W07844](https://www.pasternack.com/3.5mm-male-to-smb-jack-cable-using-pe-sr405fl-pe3w07844-p.aspx)

URL: <https://www.pasternack.com/3.5mm-male-to-smb-jack-cable-using-pe-sr405fl-pe3w07844-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE3W07844 CAD Drawing

## 3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax



**NOTES:**

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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|  |  |
|--|--|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS |  |
| TOLERANCES:  |  |
| .X = ±.2 [ .5 ]  | FRACTIONS ± 1/32                         |
| .XX = ±.02 [ .5 ]  | ANGLES ± 1°                              |
| .XXX = ±.005 [ .13 ]   | CABLE LENGTH TOLERANCES:                 |
|  | >12 [305] = +1 [25] / -0                 |
|  | >12 [305] ≤ 60 [1524] = +2 [51] / -0     |
|  | >60 [1524] ≤ 120 [3048] = +4 [102] / -0  |
|  | >120 [3048] ≤ 300 [7620] = +6 [152] / -0 |
|  | >300 [7620] = +5% / -0                   |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.                |  |

|   |                       |  |
|---|-----------------------|--|
| <b>PE PASTERNAK</b><br>an INFINITO brand  |                       |  |
| Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a><br>Phone: 1.866.727.8376   1.949.261.1920 |                       | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |
| DESCRIPTION<br>3.5mm Male to SMB Jack Cable Using PE-SR405FL Coax   |                       | SCALE<br>NONE  |
| SIZE<br>A   |                       | SHEET<br>1 OF 1  |
| CAGE CODE<br>A 53919  | DRAWN BY<br>BPUCHASKI | ITEM NO.<br>PE3W07844                                  |
| REV<br>A  | REV<br>A              |  |